

READ ME

Before Installing

72091: TAMS I/O Libraries

Version 11i-2.4 for HP-UX 11i

October 2003

Installation

Before installing TAMS I/O Libraries 72091, all previous versions of TAMS I/O Libraries should be uninstalled. As root user, kill the *iproc* daemon if it running and then use the *swremove* program to remove any T70488 and T71622 software, then all 72091 software. Note that the configuration files `/etc/opt/sicl/hwconfig.cf` and `/etc/opt/sicl/iproc.cf` will be deleted if existing I/O Libraries are uninstalled. Save copies of these files in `/tmp` to assist in configuring the new installation.

To install TAMS I/O Libraries, mount the CD with the *mount* command, for example:

```
mount /dev/dsk/c1t2d0 /SD_CDROM
```

then:

```
swinstall -s /SD_CDROM
```

Create the `/SD_CDROM` directory if necessary prior to the mount, and substitute the appropriate special device file for the CD-ROM in the example. Do not use single-user mode for the installation.

The CD you have received contains both the I/O Libraries and the manuals. The manuals contained on the CD (in the `/doc` directory) are

I/O Libraries Installation and Configuration Guide for HP-UX (installation.pdf)

Standard Instrument Control Library User's Guide (siclug.pdf)

(These are also included as Adobe PostScript files.) To view these files, you need to have a viewer capable of reading a pdf file.

If you do not already have a pdf (acrobat) reader installed, please install the Adobe Acrobat Reader available from <http://www.adobe.com> as the installation and configuration instructions for the I/O Libraries are provided in installation.pdf on the CD.

For a detailed explanation of installing SICL on HP-UX 11i, read the file installation.pdf.

Configure RS-232 Interfaces

Prior to installing driver software for TAMS 71622 or 70488 cards, it is necessary to configure at least one RS-232 interface. Use the *iosetup* command to do this. Configuring the interface works around a known problem in this version of software.

Required Patch Bundle

As of September 2001, a kernel patch bundle is still required on all HP-UX 11i installations. This includes machines with the June 2001 software releases installed. The patch is **PHKL_25762** (this supersedes **PHKL_23504**).

Without this patch, the operating system is not able to relate PCI cards to the slot in which they are installed. Symptoms of this patch missing would include not getting a "card found" message in the kernel log (see the man page for **dmesg**) while seeing it listed in the correct slot with **ioscan**.

The patch can be obtained from the HP support server at:

<http://support.itrc.hp.com/service/patch/mainPage.do>

Contact TAMS for further information about the status of this patch. For convenience, the patch is included with this product on a separate CD

Install I/O Cards

Now, consult the documentation supplied with any TAMS 70488 or 71622 cards that you may wish to install for detailed installation instructions.

Changes between version 11i-2.4 and previous versions

- VXI blockcopy performance enhanced for TAMS 80100 VXI interface.

Known Problems

The **iosetup** configuration GUI adds the interface to the configured list if the Cancel button is pressed. Simply select and delete the interface from the configured list if it is not desired. SICL LAN Protocol has problems with interrupts and SRQ's. Customers requiring this functionality should contact TAMS for a copy of version 2.3.

Revision Note

Please note that 11.11 and 11i are used interchangeably in both documentation and code. This software works only on version 11.11, not 11.0 or 11.20 or other 11 series releases.

Additional Release Information

Be sure to read the additional Release Notes contained in
`/opt/sicl/README.72091`